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Manfred Kolster* (kolster@mcmaster.ca), 1280 Main Street West, Hamilton, Ontario L8S 4L8, Canada. *The Coates-Sinnott Conjecture.*

The Coates-Sinnott Conjecture states a generalization of the classical Stickelberger Theorem, namely that certain analogues of Stickelberger elements, constructed using special values at $1 - n$ for $n \geq 2$ of an equivariant L -function attached to a finite abelian extension E/F of number fields, annihilate the even K -groups $K_{2n-2}(o_E)$ of the ring of integers o_E of E .

In the talk we discuss the relation to p -adic versions of the Conjecture (p any prime) and to the Equivariant Main Conjecture in Iwasawa Theory, emphasizing the situation for the notoriously difficult prime 2.

Part of this is joint work with Reza Taleb. (Received August 14, 2014)